HP Mid-Weight Slide Kit (5069-6371)

Installation Instructions

About this device

The HP Mid-Weight Slide Kit (5069-6371) enables you to install HP 2U, 3U, 4U, and 5U servers into HP round-hole, square-hole, threaded-hole, and early HP racks.

Kit contents

If any of the following items are missing or damaged, contact your HP authorized reseller. The following hardware pieces are included in this kit.

Quantity	Description	Picture
1	Cable management arm (J1539-63003)	
2	Mid-weight inner slides (J1539-63001)	
2	Mid-weight outer slide assemblies (J1539-63002)	
2	Hook-and-loop straps (1400-2030)	
1	Mid-weight slide-mounting alignment tool (5185-6098)	

Hardware kit contents

Quantity	Description	Picture
2	M5 x 30-mm screw (0515-2992)	
1	M5 x 10-mm screw (5021-2991)	
2	M5 x 16-mm screw (0515-3019)	
4	M4 x 8-mm screw (0515-2478)	
2	M5 barrel nut (5065-7210)	
1	Tie-down bracket (5069-6357)	

Optional hardware kit contents (J1539-63004)

The optional hardware kit is required to install the mid-weight slide kit into early HP racks.

Quantity	Description	Picture
4	M5 x 16-mm screw (0515-3019)	
2	M6 flathead screw (5185-6036)	
2	Front bracket (5184-2312)	

Required tools

The following tools are required for installation:

- T-25 Torx driver
- Phillips screwdriver
- Flathead screwdriver
- M10 socket
- Mid-weight slide-mounting alignment tool (included with this kit)

Rack warning

⚠ **WARNING:** To reduce the risk of personal injury or damage to the equipment, be sure that:

- The leveling feet are extended to the floor.
- The full weight of the rack rests on the leveling feet.
- The stabilizing feet are attached to the rack if it is a single-rack installation.
- The racks are coupled together in multiple-rack installations.
- Only one component is extended at a time. A rack may become unstable if more than one component is extended for any reason.

Mid-weight slides overview

Perform one of the following:

- Install the mid-weight slides in a rack ("Installing the mid-weight slides in a rack" on page 1).

  -or-

- Ship a rack with an integrated server ("Shipping a rack with an integrated server" on page 3).

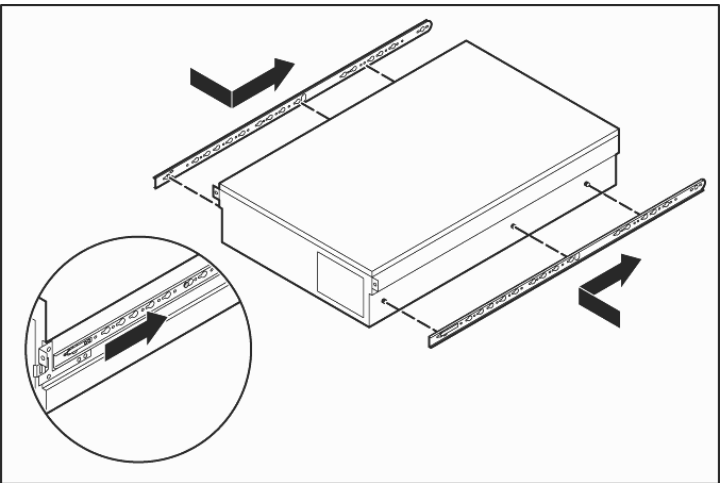## Installing the mid-weight slides in a rack

1. Install the mid-weight inner slides ("Installing the mid-weight inner slides" on page 1).

2. Mark your rack columns using the mid-weight slide-mounting alignment tool ("Marking your rack columns using the mid-weight slide-mounting alignment tool" on page 1).

3. Follow the appropriate installation procedure for your rack type:

   o Installing the mid-weight slides in round-hole or square-hole racks (on page 2)

   o Installing the mid-weight slides in threaded-hole racks (on page 2)

   o Installing the mid-weight slides in early HP racks

   o (on page 2)

4. (Optional) Adjust the mid-weight outer slide assemblies ("(Optional) Adjusting the mid-weight outer slide assemblies" on page 3).

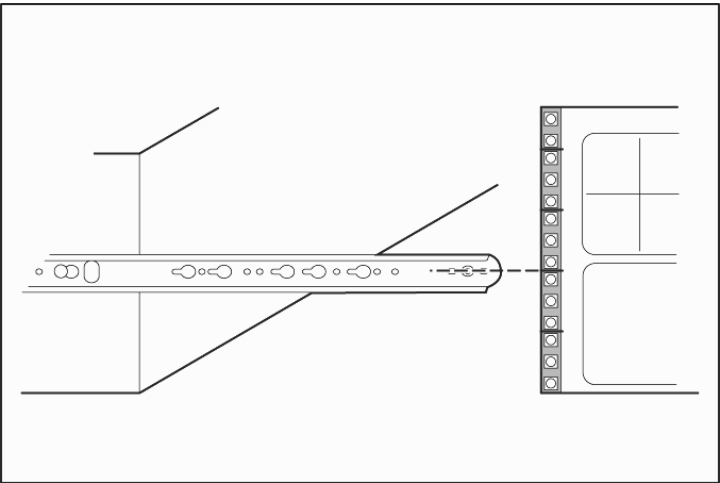## Installing the mid-weight inner slides

1. Align the mid-weight inner slide holes with the tabs on the server.

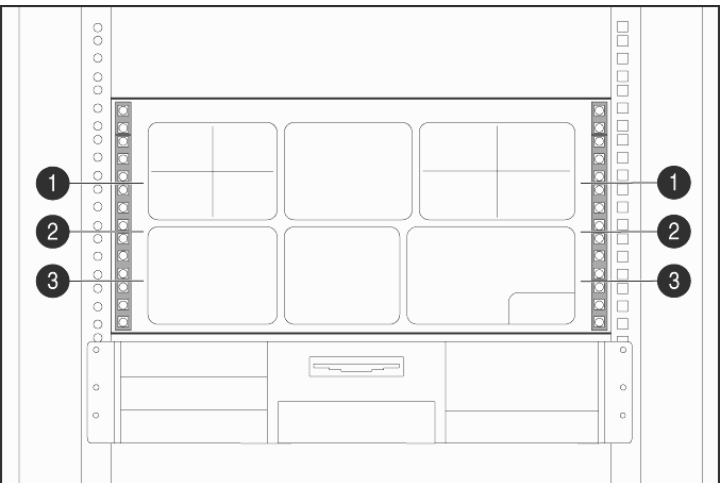2. Slide the mid-weight inner slides toward the rear of the server until they lock into place.

Marking your rack columns using the mid-weight slide-mounting alignment tool

1. Using the height of the mid-weight inner slides, mark both sides of the mid-weight slide-mounting alignment tool.

2. Using the marked mid-weight slide-mounting alignment tool, mark the front and rear columns of the rack.
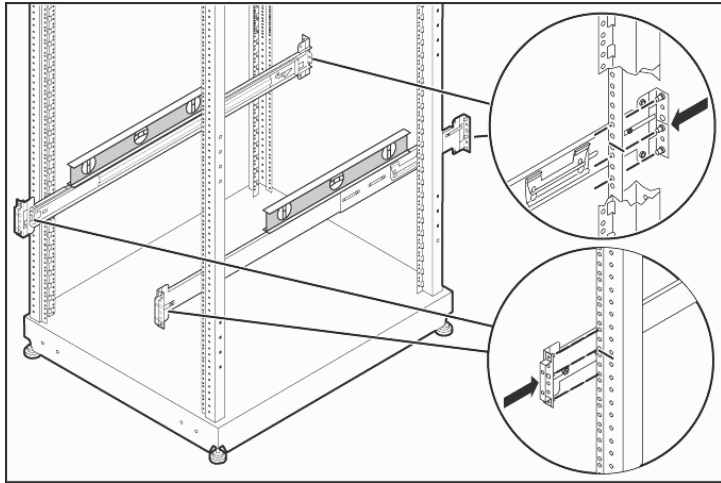

Item	Description
1	Mark for HP 5U servers
2	Mark for HP 4U servers
3	Mark for HP 2U and HP 3U servers

Installing the mid-weight slides in round-hole or square-hole racks

> **NOTE:** If the rear slide brackets must adjust to shallower or deeper third-party columns, see "(Optional) Adjusting the mid-weight outer slide assemblies (on page 3)."

1. Install the mid-weight inner slides ("Installing the mid-weight inner slides" on page 1).
2. Mark your rack columns using the mid-weight slide-mounting alignment tool ("Marking your rack columns using the mid-weight slide-mounting alignment tool" on page 1).
3. Install the mid-weight outer slide assemblies by aligning the center pin of the mid-weight outer slide assemblies with the markings on front and rear of the rack columns.
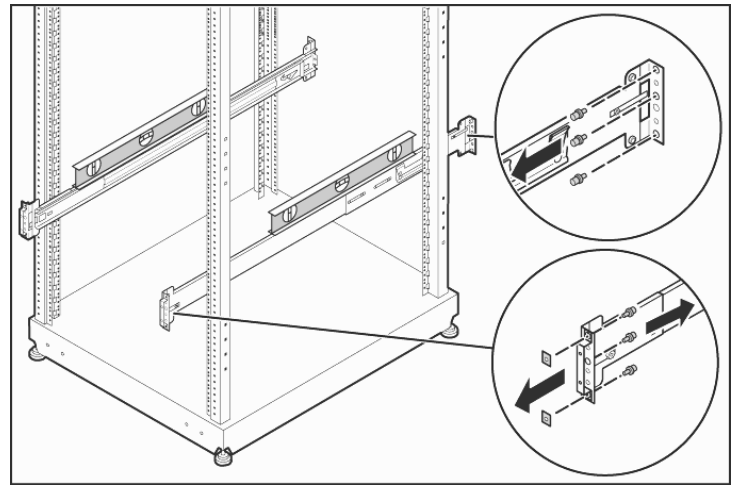

4. Proceed to "Sliding the server into the mid-weight outer slide assemblies (on page 2)."

Installing the mid-weight slides in threaded-hole racks

> **NOTE:** If the rear slide brackets must adjust to shallower or deeper third-party columns, see "(Optional) Adjusting the mid-weight outer slide assemblies (on page 3)."
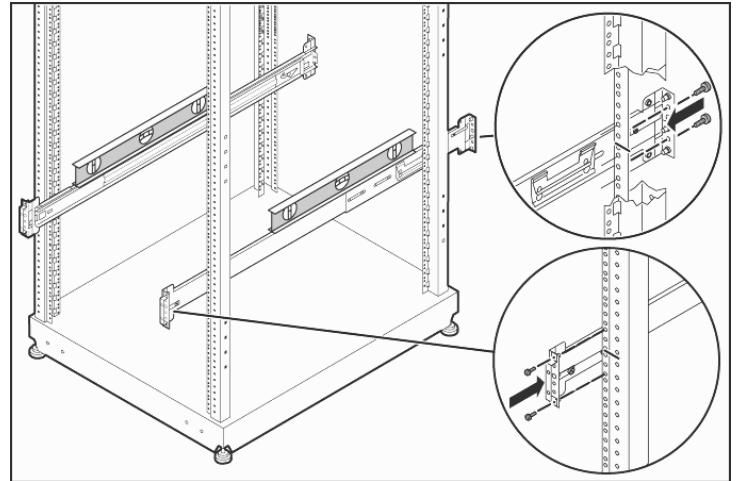
1. Install the mid-weight inner slides ("Installing the mid-weight inner slides" on page 1).
2. Mark your rack columns using the mid-weight side-mounting alignment tool ("Marking your rack columns using the mid-weight slide-mounting alignment tool" on page 1).

3. Remove the three pins from the front and rear of the mid-weight outer slide assemblies.

> **NOTE:** Screws for threaded-hole racks are not supplied in the kit. These screws are supplied by your rack manufacturer.

4. Using the screws supplied by your rack manufacturer, install the mid-weight outer slide assemblies by aligning the center hole of the mid-weight outer slide assemblies with the marking on the front and rear of the rack columns.
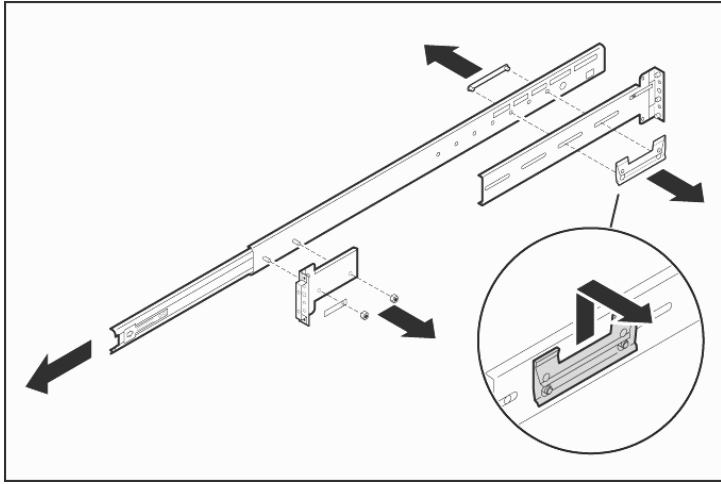

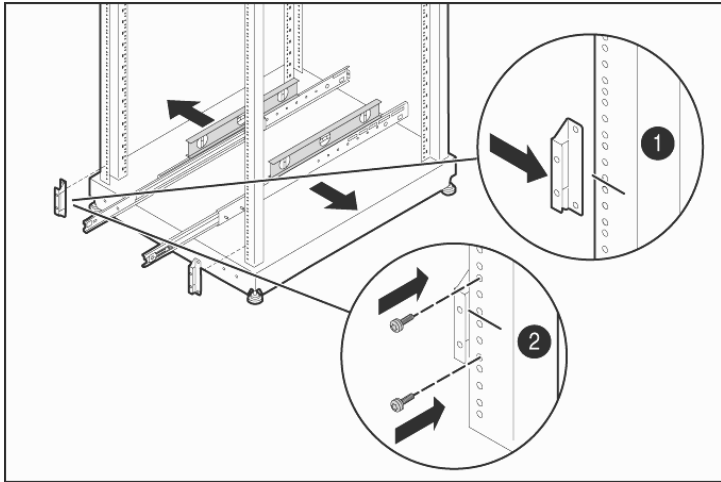5. Proceed to "Sliding the server into the mid-weight outer slide assemblies (on page 2)."

Installing the mid-weight slides in early HP racks

1. Install the mid-weight inner slides ("Installing the mid-weight inner slides" on page 1).
2. Mark your rack columns using the mid-weight slide-mounting alignment tool ("Marking your rack columns using the mid-weight slide-mounting alignment tool" on page 1).
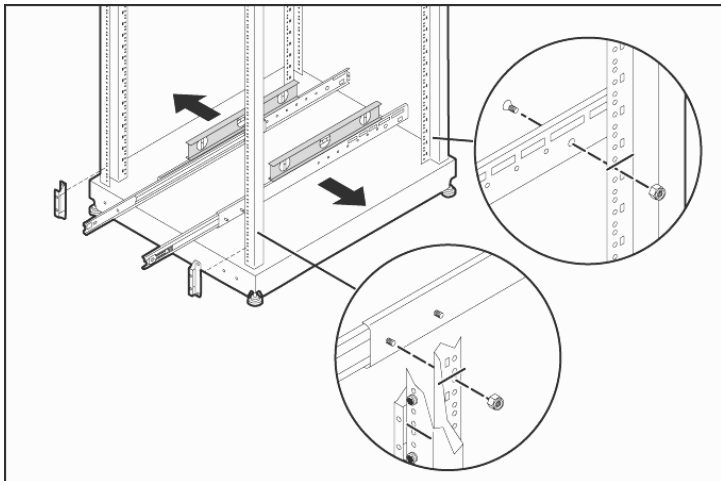
3. Remove the front and rear brackets from the mid-weight outer slide assemblies, and save the four nuts.

4. Align (1) the top hole of the front brackets with the markings on the front of the rack columns. Secure the front brackets to the rack using M5 x 16-mm screws (2).

5. Transfer the markings from the front of the rack columns to the sides of the rack columns, and install the mid-weight outer slide assemblies by aligning the threaded side studs with the markings on the rack columns.

6. Secure the front of the outer slide assemblies to the rack columns using the nuts from step 3. Secure the rear of the mid-weight outer slide assemblies to the rack columns using M6 flathead screws and the nuts from step 3.
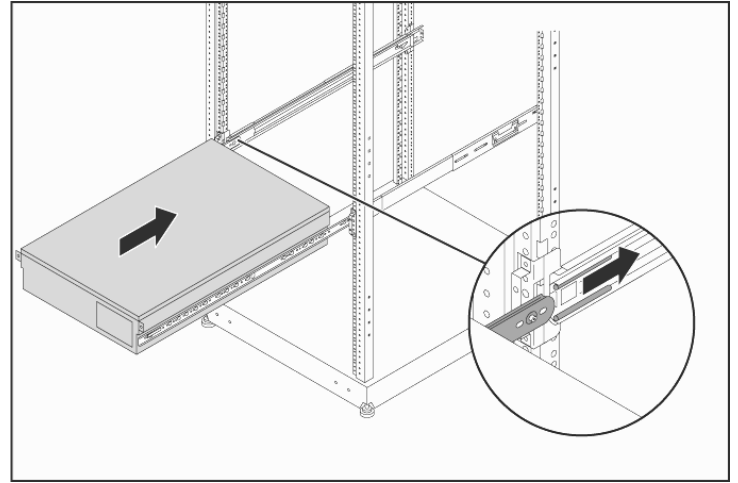

7. Proceed to "Sliding the server into the mid-weight outer slide assemblies (on page 2)."
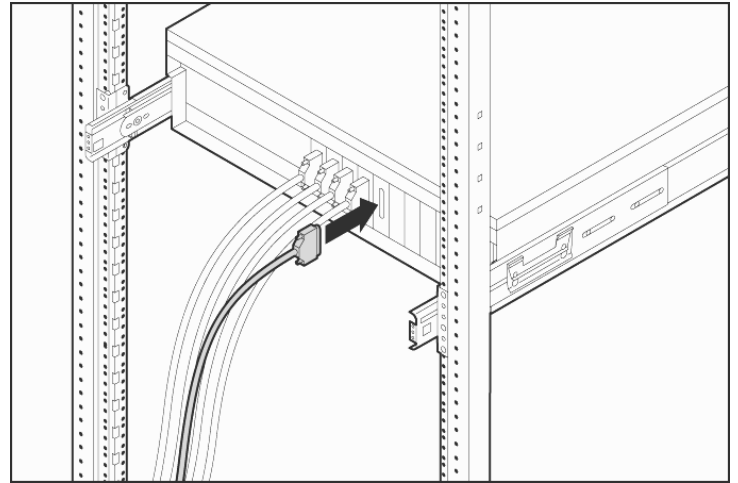
Sliding the server into the mid-weight outer slide assemblies

⚠ **WARNING:** Two people are needed to align and install the server properly. Do not install the server with the mid-weight inner slides extended.
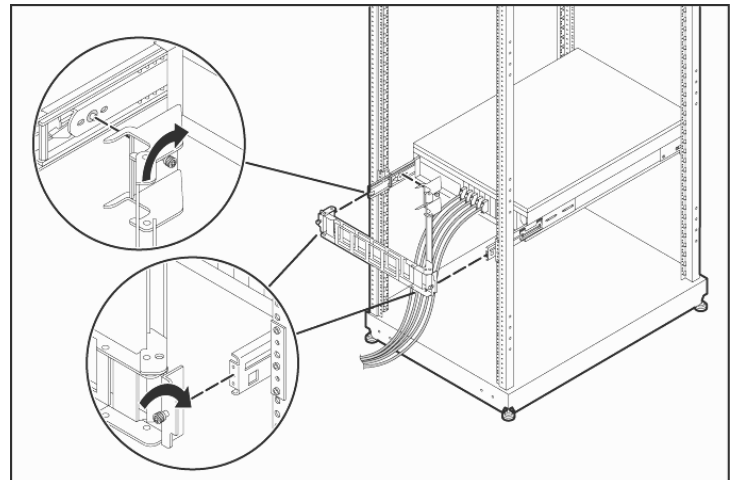
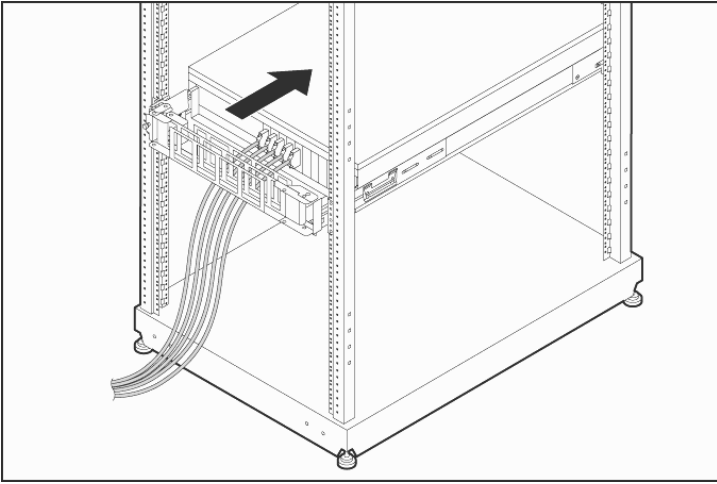**1.** Slide the server into the mid-weight outer slide assemblies.

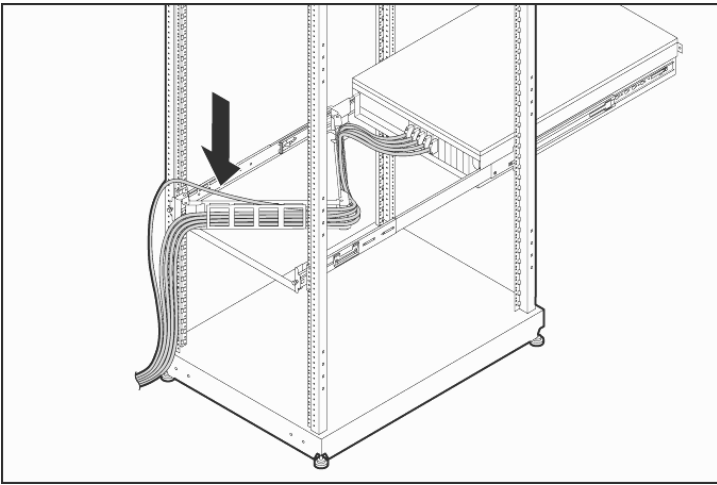**2.** Connect the cables to the server.

3. Install and secure the cable management arm to the mid-weight outer slide assemblies.
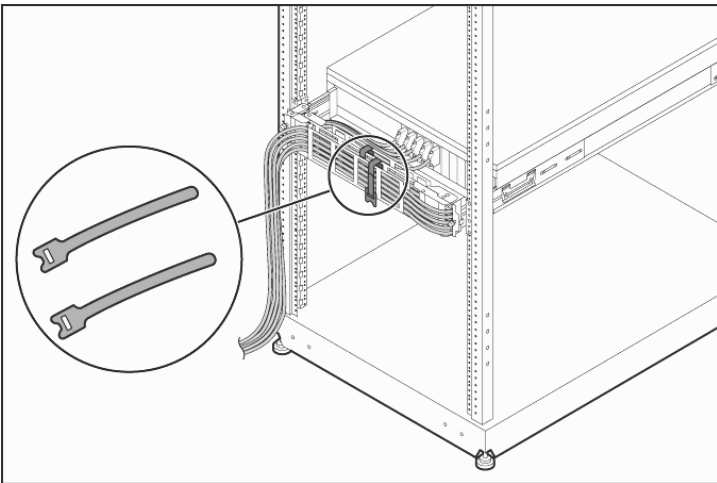
4. Extending the cable management arm, slide the server forward.

5. Route the cables through the cable management arm.
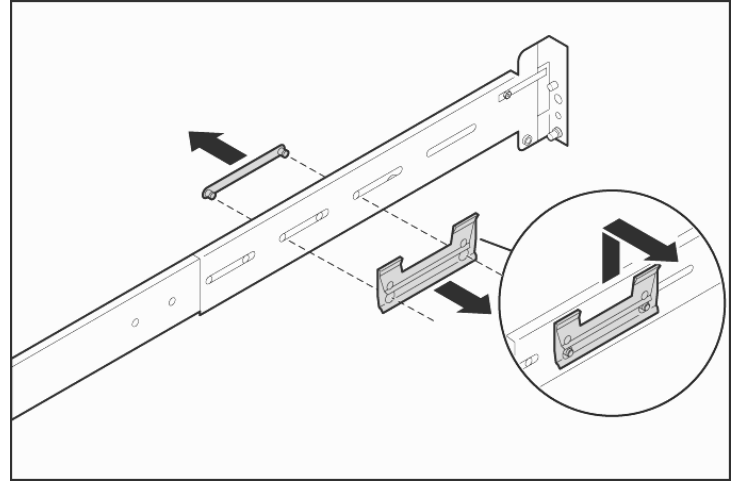

6. Install hook-and-loop straps, as needed, to secure the cables.
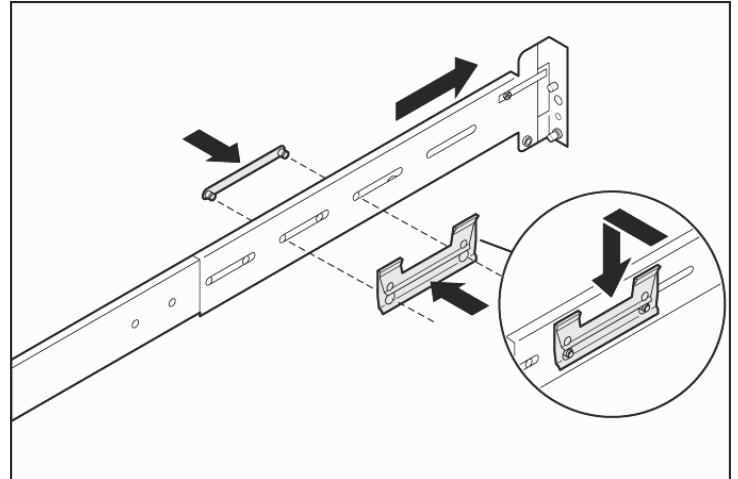

(Optional) Adjusting the mid-weight outer slide assemblies

> **NOTE:** These steps apply only if the adjustment of the outer slide assemblies are necessary to fit shallower or deeper third-party racks.

1. Remove the slide-locking clips from the outer slide assemblies.

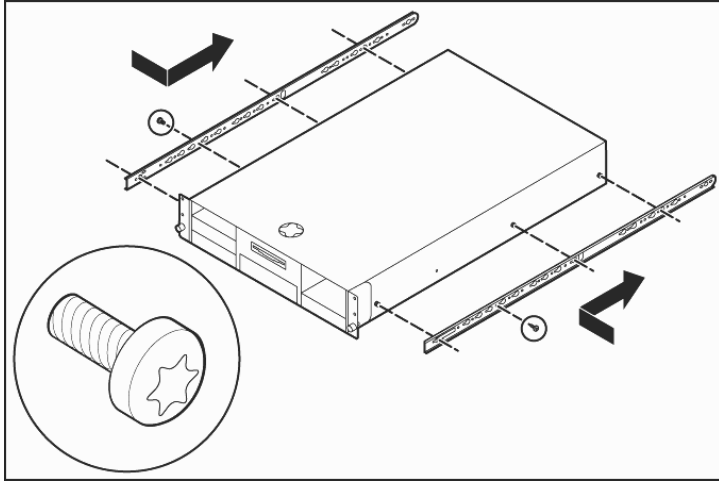**2.** Adjust the slide assemblies for your rack, and then install the slide-locking clips.

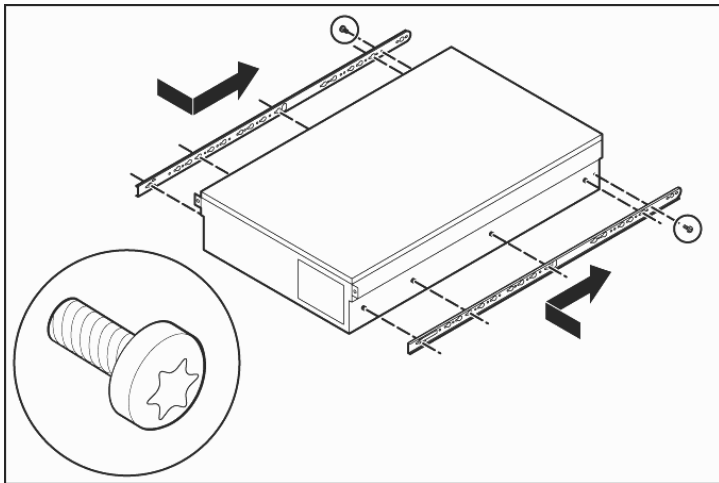# Shipping a rack with an integrated server

NOTE: If the rear slide brackets must adjust to shallower or deeper third-party columns, see "(Optional) Adjusting the mid-weight outer slide assemblies (on page 3)."

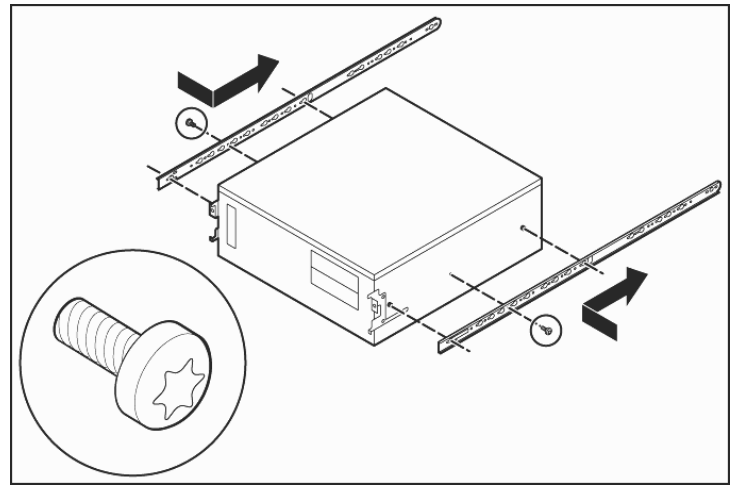**NOTE:** All M4 screws must be torqued to 2.4 Nm (22 lb).

1. Install the mid-weight inner slides, and secure them to the server, using the required number of M4 x 8-mm screws.

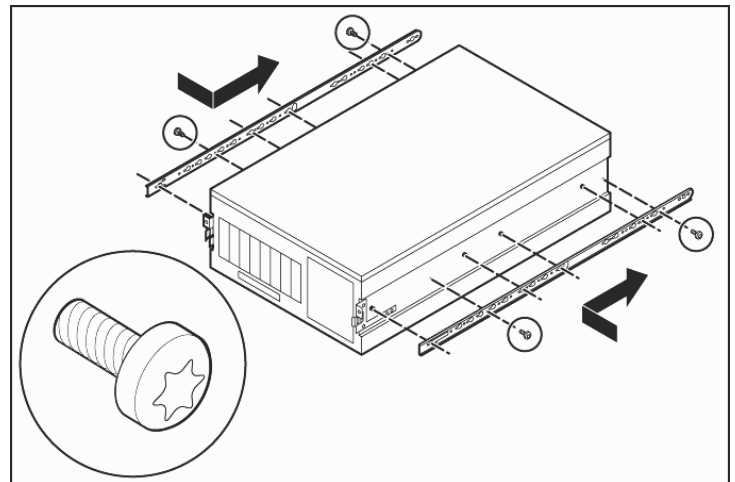   a. Using two M4 x 8-mm screws, secure the mid-weight inner slides to an HP 2U server.

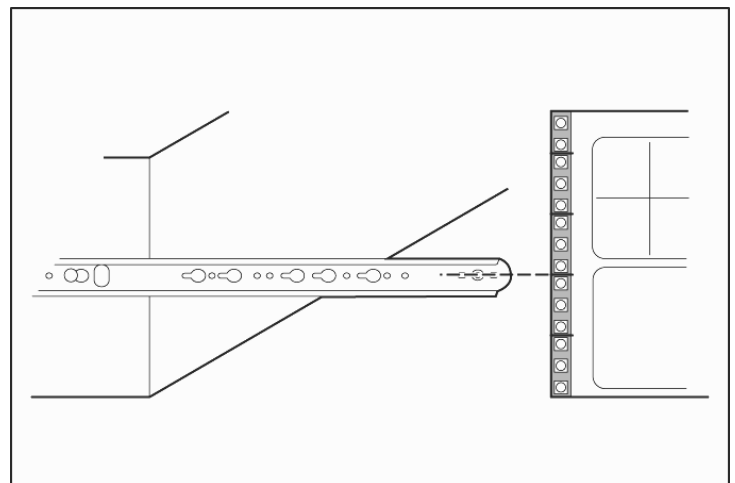   b. Using two M4 x 8-mm screws, secure the mid-weight inner slides to an HP 3U server.

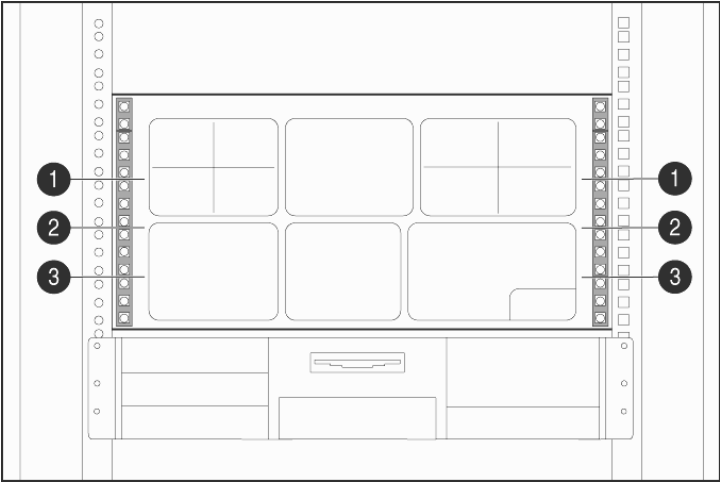   c. Using two M4 x 8-mm screws, secure the mid-weight inner slides to an HP 4U server.

   d. Using four M4 x 8-mm screws, secure the mid-weight inner slides to an HP 5U server.

2. Using the height of the mid-weight inner slides, mark both sides of the mid-weight slide-mounting alignment tool.
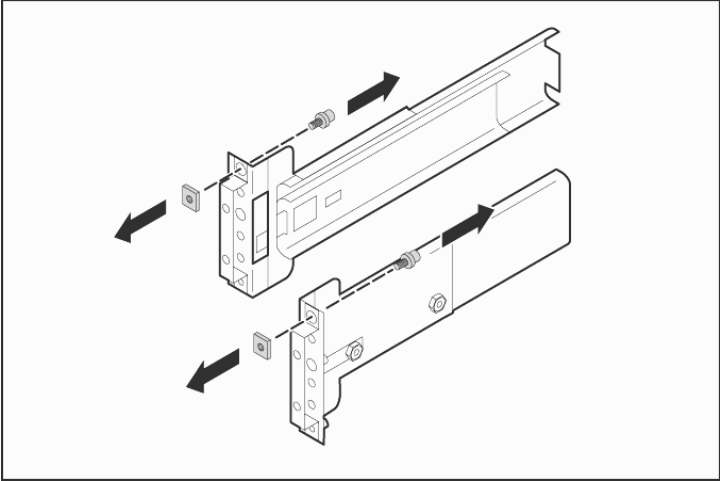
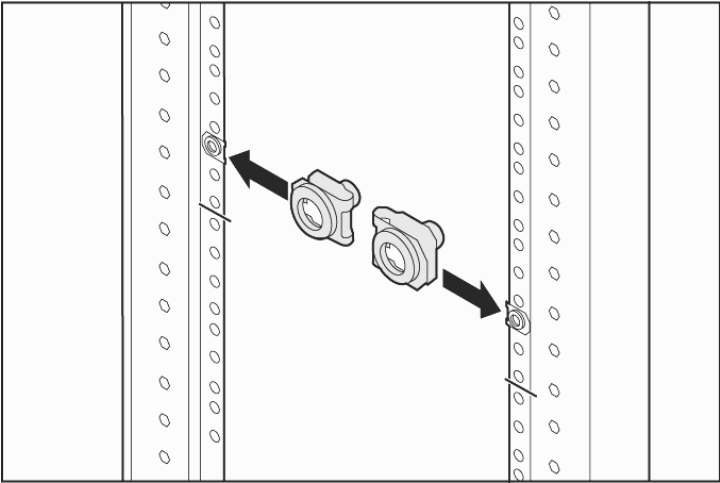**3.** Using the marked mid-weight slide-mounting alignment tool, mark the front and rear columns of the rack.

Item	Description
1	Mark for HP 5U servers
2	Mark for HP 4U servers
3	Mark for HP 2U and HP 3U servers

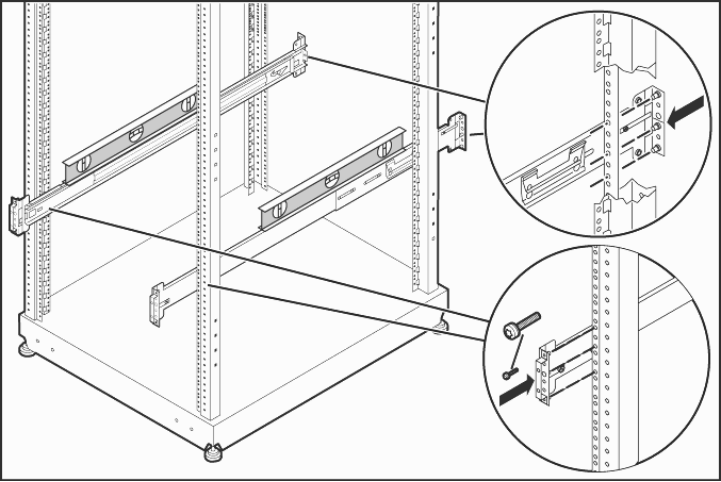**4.** Remove the top pin from the mid-weight outer slide assemblies.

NOTE: All M5 screws must be torqued to 6.2 Nm (55 lb).

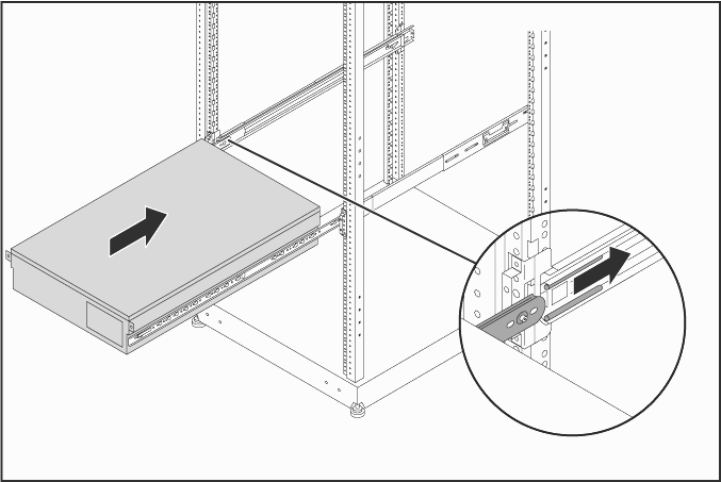**5.** Install the M5 barrel nuts on the rack columns.

6. Install the mid-weight outer slide assemblies by aligning the center pin of the mid-weight outer slide assemblies with the markings on the front and rear of the rack columns.

7. Screw the M5 x 30-mm screws to the mid-weight outer slide assemblies to secure it to the rack.
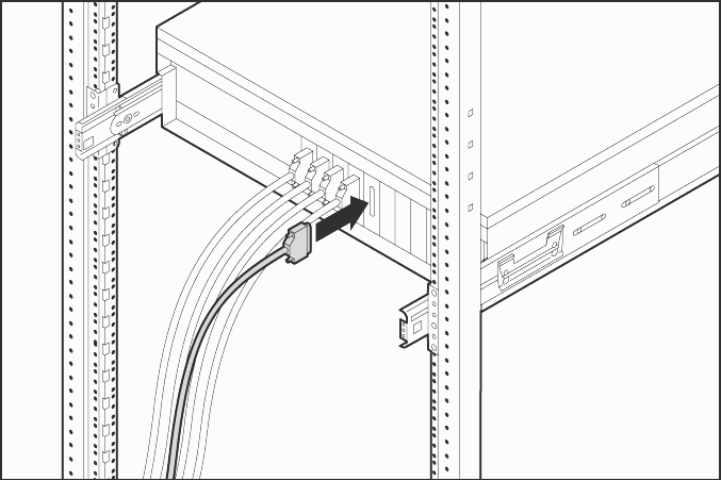

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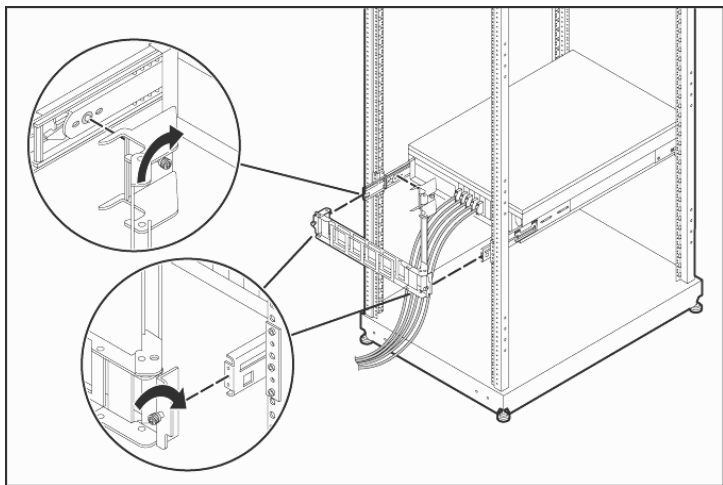
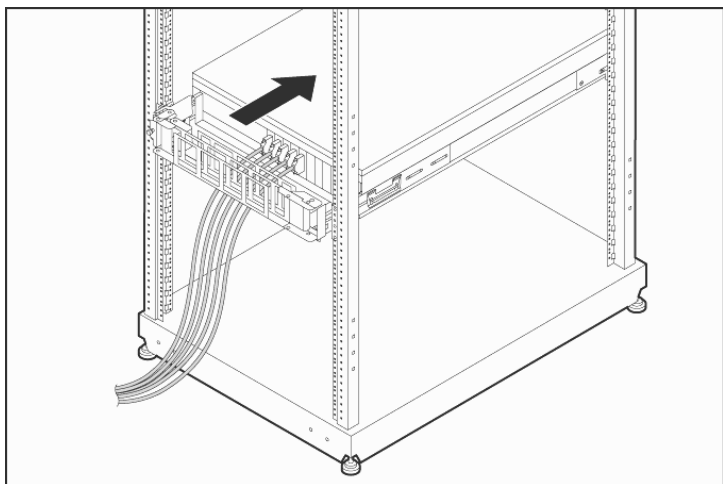**8.** Slide the server into the mid-weight outer slide assemblies.

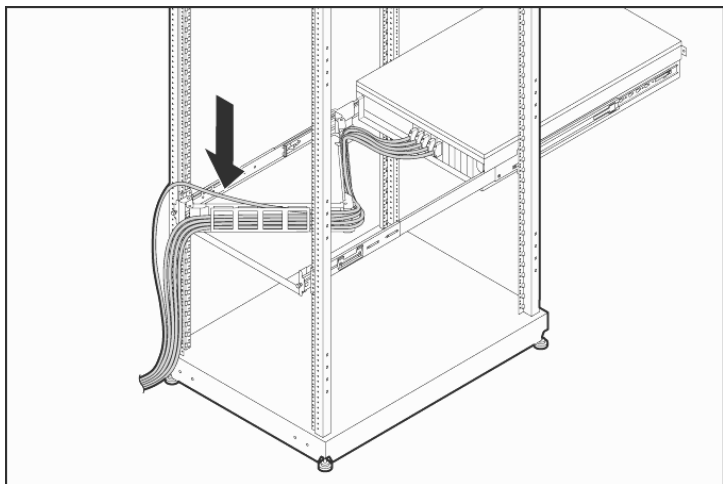**9.** Connect the cables to the server.

10. Install and secure the cable management arm to the mid-weight outer slide assemblies.
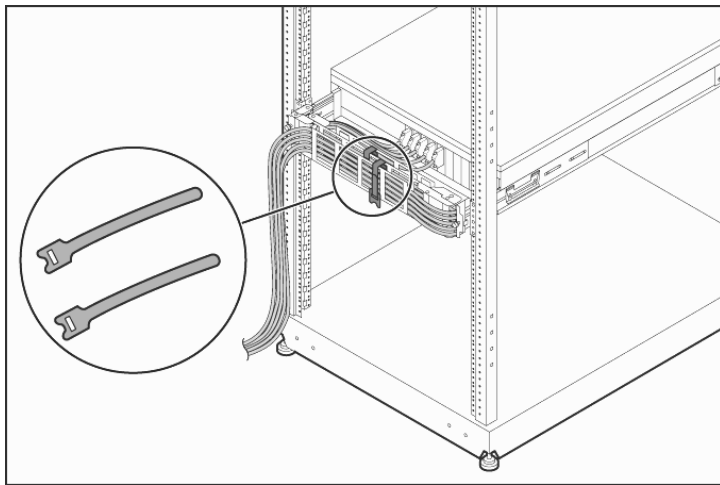

11. Extending the cable management arm, slide the server forward.

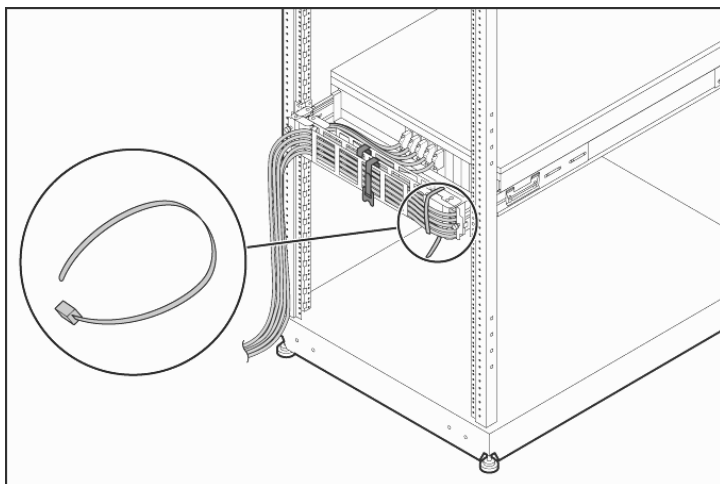**12.** Route the cables through the cable management arm.

13. Install hook-and-loop straps, as needed, to secure the cables.

NOTE: The yellow plastic shipping tie is not included in the kit (0684-0860 or equivalent).

14. Install a yellow plastic shipping tie.

NOTE: All M5 screws must be torqued to 6.2 Nm (55 lb).

15. Use the M5 x 16-mm screws to install and secure the tie-down bracket to the mid-weight right outer slide assembly. If you have a square-hole rack, insert the M5 x 10-mm screw in hole (1). If you have a round-hole rack, insert the M5 x 10-mm screw in hole (2).